

WEST Search History

DATE: Friday, January 23, 2004

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=PGPB,USPT,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L5	neuraliz\$ and express\$ same vector?	70
<input type="checkbox"/>	L4	neuraliz\$ and (zinc adj finger?)	1
<input type="checkbox"/>	L3	neuraliz\$ same (zinc adj finger?)	0
<input type="checkbox"/>	L2	neuralize\$ same (zinc adj finger?)	0
<input type="checkbox"/>	L1	neuralize\$ same (gene? or protein?) same (zinc adj finger?)	0

END OF SEARCH HISTORY

Hit List

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 70 of 70 returned.

1. Document ID: US 20040014210 A1

Using default format because multiple data bases are involved.

L5: Entry 1 of 70

File: PGPB

Jan 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040014210

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040014210 A1

TITLE: Methods for inducing differentiation of embryonic stem cells and uses thereof

PUBLICATION-DATE: January 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Jessell, Thomas M.	Bronx	NY	US	
Wichterle, Hynek	New York	NY	US	
Lieberam, Ivo	New York	NY	US	

US-CL-CURRENT: [435/368](#); [435/354](#), [514/12](#), [514/559](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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2. Document ID: US 20040014209 A1

L5: Entry 2 of 70

File: PGPB

Jan 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040014209

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040014209 A1

TITLE: Compositions and methods for modulating cell differentiation

PUBLICATION-DATE: January 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lassar, Andrew B.	Newton Center	MA	US	
Mercola, Mark	Del Mar	CA	US	
Gupta, Ruchika	San Diego	CA	US	
Marvin, Martha	Brookline	MA	US	
Schneider, Valerie	Philadelphia	PA	US	

Tzahor, Eldad	Brookline	MA	US
Brott, Barbara	Boston	MA	US
Sokol, Sergei	Boston	MA	US

US-CL-CURRENT: [435/366](#); [435/455](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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3. Document ID: US 20030236392 A1

L5: Entry 3 of 70

File: PGPB

Dec 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030236392

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030236392 A1

TITLE: Novel full length cDNA

PUBLICATION-DATE: December 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Isogai, Takao	Ibaraki		JP	
Sugiyama, Tomoyasu	Tokyo		JP	
Otsuki, Tetsuji	Chiba		JP	
Wakamatsu, Ai	Chiba		JP	
Sato, Hiroyuki	Osaka		JP	
Ishii, Shizuko	Chiba		JP	
Yamamoto, Jun-ichi	Chiba		JP	
Isono, Yuuko	Chiba		JP	
Hio, Yuri	Chiba		JP	
Otsuka, Kaoru	Saitama		JP	
Nagai, Keiichi	Tokyo		JP	
Irie, Ryotaro	Chiba		JP	
Tamechika, Ichiro	Osaka		JP	
Seki, Naohiko	Chiba		JP	
Yoshikawa, Tsutomu	Chiba		JP	
Otsuka, Motoyuki	Tokyo		JP	
Nagahari, Kenji	Tokyo		JP	
Masuh, Yasuhiko	Tokyo		JP	

US-CL-CURRENT: [536/23.1](#); [435/183](#); [435/325](#); [435/6](#); [435/69.1](#); [530/350](#); [702/19](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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4. Document ID: US 20030224431 A1

L5: Entry 4 of 70

File: PGPB

Dec 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030224431
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030224431 A1

TITLE: Neurogenin

PUBLICATION-DATE: December 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Anderson, David J.	Altadena	CA	US	
Ma, Qiufu	Pasadena	CA	US	
Sommer, Lukas	Zurich		CH	

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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5. Document ID: US 20030219745 A1

L5: Entry 5 of 70

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030219745
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030219745 A1

TITLE: Novel nucleic acids and polypeptides

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tang, Y. Tom	San Jose	CA	US	
Goodrich, Ryle	San Jose	CA	US	
Liu, Chenghua	San Jose	CA	US	
Ren, Feiyan	Cupertino	CA	US	
Wang, Dunrui	Poway	CA	US	
Drmanac, Radoje T.	Palo Alto	CA	US	

US-CL-CURRENT: 435/6; 424/146.1, 435/183, 435/320.1, 435/325, 435/69.1, 435/7.1, 514/12,
530/350, 530/388.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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6. Document ID: US 20030219741 A1

L5: Entry 6 of 70

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030219741

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030219741 A1

TITLE: Novel full-length cDNA

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Isogai, Takao	Ibaraki		JP	
Sugiyama, Tomoyasu	Tokyo		JP	
Otsuki, Tetsuji	Chiba		JP	
Wakamatsu, Ai	Chiba		JP	
Sato, Hiroyuki	Osaka		JP	
Ishii, Shizuko	Chiba		JP	
Yamamoto, Jun-Ichi	Chiba		JP	
Isono, Yuuko	Chiba		JP	
Hio, Yuri	Chiba		JP	
Otsuka, Kaoru	Saitama		JP	
Nagai, Keiichi	Tokyo		JP	
Irie, Ryotaro	Chiba		JP	
Tamechika, Ichiro	Osaka		JP	
Seki, Naohiko	Chiba		JP	
Yoshikawa, Tsutomu	Chiba		JP	
Otsuka, Motoyuki	Tokyo		JP	
Nagahari, Kenji	Tokyo		JP	
Masuho, Yasuhiko	Tokyo		JP	

US-CL-CURRENT: [435/6](#); [435/183](#), [435/320.1](#), [435/325](#), [435/69.1](#), [530/350](#), [530/388.26](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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7. Document ID: US 20030199042 A1

L5: Entry 7 of 70

File: PGPB

Oct 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030199042
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030199042 A1

TITLE: Novel morphogenic protein

PUBLICATION-DATE: October 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Valenzuela, David M.	Yorktown Heights	NY	US	
Rojas, Eduardo A.	Tarrytown	NY	US	
Economides, Aris N.	New York	NY	US	

Stahl, Neil

Carmel

NY

US

US-CL-CURRENT: [435/69.1](#); [435/320.1](#), [435/325](#), [435/7.2](#), [514/12](#), [530/350](#), [530/388.22](#), [536/23.5](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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8. Document ID: US 20030194708 A1

L5: Entry 8 of 70

File: PGPB

Oct 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030194708

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030194708 A1

TITLE: Human homolog of crossveinless materials and methods

PUBLICATION-DATE: October 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Binnerts, Minke	San Francisco	CA	US	
Tang, Y. Tom	San Jose	CA	US	
Asundi, Vinod	Foster City	CA	US	
Rupp, Fabio	Sunnyvale	CA	US	

US-CL-CURRENT: [435/6](#); [435/320.1](#), [435/325](#), [435/69.1](#), [530/350](#), [536/23.5](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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9. Document ID: US 20030181704 A1

L5: Entry 9 of 70

File: PGPB

Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030181704

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030181704 A1

TITLE: Translation initiation factor 4AIII, and methods of use thereof

PUBLICATION-DATE: September 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hemmati-Brivanlou, Ali	New York	NY	US	
Weinstein, Daniel C.	New York	NY	US	

US-CL-CURRENT: [536/23.2](#); [435/199](#), [435/252.3](#), [435/320.1](#), [435/325](#), [435/69.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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10. Document ID: US 20030165945 A1

L5: Entry 10 of 70

File: PGPB

Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030165945

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030165945 A1

TITLE: Human Pellino polypeptides

PUBLICATION-DATE: September 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bird, Timothy A.	Bainbridge Island	WA	US	
Cosman, David J.	Bainbridge Island	WA	US	
Li, Xiaoxia	Solon	OH	US	

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/69.1, 435/7.1, 530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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11. Document ID: US 20030154032 A1

L5: Entry 11 of 70

File: PGPB

Aug 14, 2003

PGPUB-DOCUMENT-NUMBER: 20030154032

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030154032 A1

TITLE: Methods and compositions for diagnosing and treating rheumatoid arthritis

PUBLICATION-DATE: August 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pittman, Debra D.	Windham	NH	US	
Feldman, Jeffrey L.	Arlington	MA	US	
Shields, Kathleen M.	Harvard	MA	US	
Trepicchio, William L.	Andover	MA	US	

US-CL-CURRENT: 702/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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12. Document ID: US 20030129703 A1

L5: Entry 12 of 70

File: PGPB

Jul 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030129703
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030129703 A1

TITLE: Modified dorsal tissue affecting factor and compositions

PUBLICATION-DATE: July 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Economides, Aris	New York	NY	US	
Stahl, Neil E.	Carmel	NY	US	
Harland, Richard M.	Moraga	CA	US	

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 514/12, 530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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13. Document ID: US 20030113773 A1

L5: Entry 13 of 70

File: PGPB

Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030113773
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030113773 A1

TITLE: Neurogenesis inducing genes

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mikoshiha, Katsuhiko	Wako-shi		JP	
Aruga, Jun	Tsukuba-shi		JP	
Nagai, Takeharu	Tokyo		JP	
Nakata, Katsunori	Tsuchiura-shi		JP	

US-CL-CURRENT: 435/6; 435/226, 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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14. Document ID: US 20030073620 A1

L5: Entry 14 of 70

File: PGPB

Apr 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030073620
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030073620 A1

TITLE: Antibodies to vertebrate delta proteins and fragments

PUBLICATION-DATE: April 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ish-Horowicz, David	Oxford	CT	GB	
Henrique, Domingos Manuel Pinto	Queijas	CT	PT	
Lewis, Julian Hart	Oxford		GB	
Artavanis-Tsakonas, Spyridon	Hamden		US	
Gray, Grace E.	New Haven		US	

US-CL-CURRENT: [514/12](#); [435/320.1](#), [435/348](#), [435/69.1](#), [530/350](#), [530/388.1](#), [536/23.5](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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15. Document ID: US 20030044887 A1

L5: Entry 15 of 70

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030044887

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030044887 A1

TITLE: NEUROGENIN

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
ANDERSON, DAVID J.	ALTADENA	CA	US	
MA, QIU FU	SANTA MONICA	CA	US	

US-CL-CURRENT: [435/69.1](#); [435/325](#), [435/6](#), [530/350](#), [536/23.5](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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16. Document ID: US 20020192219 A1

L5: Entry 16 of 70

File: PGPB

Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020192219

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020192219 A1

TITLE: Morphogenic proteins

PUBLICATION-DATE: December 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Harland, Richard	Berkeley	CA	US	

Hsu, David

Berkeley

CA

US

US-CL-CURRENT: 424/146.1; 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw Desc	Image
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17. Document ID: US 20020192216 A1

L5: Entry 17 of 70

File: PGPB

Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020192216

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020192216 A1

TITLE: Therapeutic use

PUBLICATION-DATE: December 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lamb, Jonathan Robert	Edinburgh		GB	
Hoyne, Gerard Francis	Midlothian		GB	
Dallman, Margaret Jane	London		GB	

US-CL-CURRENT: 424/145.1; 514/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw Desc	Image
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18. Document ID: US 20020168683 A1

L5: Entry 18 of 70

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020168683

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020168683 A1

TITLE: Human pellino polypeptides

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bird, Timothy A.	Bainbridge Island	WA	US	
Cosman, David J.	Bainbridge Island	WA	US	

US-CL-CURRENT: 435/7.1; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw Desc	Image
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☐ 19. Document ID: US 20020164682 A1

L5: Entry 19 of 70

File: PGPB

Nov 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020164682

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020164682 A1

TITLE: MAMMALIAN CERBERUS-LIKE PROTEIN AND COMPOSITIONS

PUBLICATION-DATE: November 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
FOLLETTIE, MAXIMILLIAN	BELMONT	MA	US	
DEROBERTIS, EDWARD M.	PALISADES	CA	US	

US-CL-CURRENT: [435/69.1](#); [424/130.1](#), [435/320.1](#), [435/325](#), [514/12](#), [530/350](#), [536/23.5](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 20. Document ID: US 20020146773 A1

L5: Entry 20 of 70

File: PGPB

Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020146773

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020146773 A1

TITLE: ''Signalin'' family of TGFbeta signal transduction proteins, and uses related thereto

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Graff, Jonathan M.	Newton	MA	US	
Woolf, Tod M.	Natick	MA	US	
Jin, Ping	Boston	MA	US	
Melton, Douglas A.	Lexington	MA	US	

US-CL-CURRENT: [435/69.1](#); [435/320.1](#), [435/325](#), [435/6](#), [514/2](#), [530/399](#), [536/23.5](#), [800/8](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 21. Document ID: US 20020132293 A1

L5: Entry 21 of 70

File: PGPB

Sep 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020132293

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020132293 A1

TITLE: Mammalian neuralized family transcriptional regulators and uses therefor

PUBLICATION-DATE: September 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Palm, Kaia	Santa Monica	CA	US	
Timmusk, Tonis	Helsinki		FI	

US-CL-CURRENT: 435/69.1; 435/195, 435/325, 435/7.1, 530/388.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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□ 22. Document ID: US 20020127621 A1

L5: Entry 22 of 70

File: PGPB

Sep 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020127621

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020127621 A1

TITLE: KUZ, a novel family of metalloproteases

PUBLICATION-DATE: September 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rubin, Gerald M.	Berkeley	CA	US	
Pan, Duoia	Berkeley	CA	US	
Rooke, Jenny	New Haven	CT	US	
Yavari, Reza	New Haven	CT	US	
Xu, Tian	New Haven	CT	US	

US-CL-CURRENT: 435/7.32; 435/183, 435/226

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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□ 23. Document ID: US 20020114788 A1

L5: Entry 23 of 70

File: PGPB

Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020114788

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020114788 A1

TITLE: Cell implantation therapy for neurological diseases or disorders

PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Isacson, Ole	Cambridge	MA	US	
Kim, Kwang Soo	Lexington	MA	US	

US-CL-CURRENT: [424/93.21](#); [435/368](#), [435/456](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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□ 24. Document ID: US 20020107194 A1

L5: Entry 24 of 70

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020107194

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020107194 A1

TITLE: Nucleotide and protein sequences of vertebrate delta genes and methods based thereon

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ish-Horowicz, David	Oxford	CT	GB	
Henrique, Domingos Manuel Pinto	Queijas	CT	PT	
Lewis, Julian Hart	Oxford		GB	
Artavanis-Tsakonas, Spyridon	Hamden		US	
Gray, Grace E.	New Haven		US	

US-CL-CURRENT: [514/12](#); [530/350](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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□ 25. Document ID: US 20020102643 A1

L5: Entry 25 of 70

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102643

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020102643 A1

TITLE: Dorsal tissue affecting factor and compositions

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Valenzuela, David M.	Franklin Square	NY	US	
Ip, Nancy Y.	Stamford	CT	US	
Cudny, Henryk D.	Concord	CA	US	

Yancopoulos, George D.	Yorktown Heights	NY	US
Harland, Richard M.	Moraga	CA	US
Smith, William C.	Santa Barbara	CA	US
Lamb, Teresa	New York	NY	US
Knecht, Anne	Berkeley	CA	US

US-CL-CURRENT: [435/69.1](#); [435/320.1](#), [435/325](#), [514/12](#), [530/350](#), [536/23.5](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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□ 26. Document ID: US 20020099173 A1

L5: Entry 26 of 70

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020099173

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020099173 A1

TITLE: Protein specific for cardiac and skeletal muscle

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
D'Azzo, Alessandra	Memphis	TN	US	
Bongiovanni, Antonella	Memphis	TN	US	
Nastasi, Tommaso	Memphis	TN	US	

US-CL-CURRENT: [530/350](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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□ 27. Document ID: US 20020032913 A1

L5: Entry 27 of 70

File: PGPB

Mar 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020032913

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020032913 A1

TITLE: Gene Search Vector and Gene Search Method

PUBLICATION-DATE: March 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Aigaki, Toshiro	Tokyo	.	JP	

US-CL-CURRENT: [800/8](#); [435/320.1](#), [435/325](#), [435/455](#), [536/23.1](#), [800/22](#), [800/25](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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28. Document ID: US 20010049360 A1

L5: Entry 28 of 70

File: PGPB

Dec 6, 2001

PGPUB-DOCUMENT-NUMBER: 20010049360

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010049360 A1

TITLE: Betaglycan as an inhibin receptor and uses thereof

PUBLICATION-DATE: December 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Vale, Wylie	La Jolla	CA	US	
Lewis, Kathy A.	San Diego	CA	US	
Gray, Peter C.	Encinitas	CA	US	
Bilezikjian, Louise M.	San Diego	CA	US	
Blount, Amy L.	La Jolla	CA	US	

US-CL-CURRENT: 514/44; 424/130.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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29. Document ID: US 20010025100 A1

L5: Entry 29 of 70

File: PGPB

Sep 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010025100

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010025100 A1

TITLE: Translation initiation factor 4AIII, and methods of use thereof

PUBLICATION-DATE: September 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hemmati-Brivanlou, Ali	New York	NY	US	
Weinstein, Daniel C.	New York	NY	US	

US-CL-CURRENT: 536/23.5; 435/325, 435/69.1, 530/381

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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30. Document ID: US 6610510 B1

L5: Entry 30 of 70

File: USPT

Aug 26, 2003

US-PAT-NO: 6610510

DOCUMENT-IDENTIFIER: US 6610510 B1

TITLE: Morphogenic proteins

DATE-ISSUED: August 26, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Valenzuela; David M.	Yorktown Heights	NY		
Rojas; Eduardo A.	Tarrytown	NY		
Economides; Aris N.	New York	NY		
Stahl; Neil	Carmel	NY		

US-CL-CURRENT: [435/69.1](#); [435/252.3](#), [435/320.1](#), [435/325](#), [435/348](#), [530/350](#), [536/23.5](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Abstracts	Claims	KWIC	Draw Desc	Image
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31. Document ID: US 6566496 B1

L5: Entry 31 of 70

File: USPT

May 20, 2003

US-PAT-NO: 6566496

DOCUMENT-IDENTIFIER: US 6566496 B1

TITLE: Neurogenin

DATE-ISSUED: May 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Ma; Qiufu	Pasadena	CA		
Sommer; Lukas	Zurich			SE

US-CL-CURRENT: [530/350](#); [530/839](#), [530/855](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Abstracts	Claims	KWIC	Draw Desc	Image
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32. Document ID: US 6563018 B2

L5: Entry 32 of 70

File: USPT

May 13, 2003

US-PAT-NO: 6563018

DOCUMENT-IDENTIFIER: US 6563018 B2

TITLE: Gene search vector and gene search method

DATE-ISSUED: May 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Aigaki; Toshiro	Tokyo			JP

US-CL-CURRENT: 800/22; 435/320.1, 435/455, 536/23.1, 800/13, 800/25, 800/3, 800/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Substantive	Non-Substantive	Claims	KMC	Draw Desc	Image
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□ 33. Document ID: US 6555337 B2

L5: Entry 33 of 70

File: USPT

Apr 29, 2003

US-PAT-NO: 6555337

DOCUMENT-IDENTIFIER: US 6555337 B2

TITLE: Neurogenin

DATE-ISSUED: April 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Ma; Qiufu	Santa Monica	CA		

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Substantive	Non-Substantive	Claims	KMC	Draw Desc	Image
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□ 34. Document ID: US 6548290 B1

L5: Entry 34 of 70

File: USPT

Apr 15, 2003

US-PAT-NO: 6548290

DOCUMENT-IDENTIFIER: US 6548290 B1

TITLE: Geminin gene and protein

DATE-ISSUED: April 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McGarry; Thomas J.	Newton	MA		
Kroll; Kristen	Brookline	MA		
Kirschner; Marc W.	Newton	MA		

US-CL-CURRENT: 435/252.3; 435/320.1, 435/325, 536/23.2, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Pub. No.	Claims	KMIC	Draw Desc	Image
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□ 35. Document ID: US 6500640 B1

L5: Entry 35 of 70

File: USPT

Dec 31, 2002

US-PAT-NO: 6500640

DOCUMENT-IDENTIFIER: US 6500640 B1

TITLE: Nucleic acid molecules encoding modified dorsal tissue affecting factor

DATE-ISSUED: December 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Economides; Aris	New York	NY		
Stahl; Neil E.	Carmel	NY		
Harland; Richard M.	Moraga	CA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/254.11, 435/320.1, 435/325, 435/455, 536/23.1, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Pub. No.	Claims	KMIC	Draw Desc	Image
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□ 36. Document ID: US 6500637 B1

L5: Entry 36 of 70

File: USPT

Dec 31, 2002

US-PAT-NO: 6500637

DOCUMENT-IDENTIFIER: US 6500637 B1

TITLE: Neurogenesis inducing genes

DATE-ISSUED: December 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mikoshiha; Katsuhiko	Wako			JP
Aruga; Jun	Tsukuba			JP
Nagai; Takeharu	Tokyo			JP
Nakata; Katsunori	Tsuchiura			JP

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/458, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Pub. No.	Claims	KMIC	Draw Desc	Image
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□ 37. Document ID: US 6432410 B1

L5: Entry 37 of 70

File: USPT

Aug 13, 2002

US-PAT-NO: 6432410
DOCUMENT-IDENTIFIER: US 6432410 B1
**** See image for Certificate of Correction ****

TITLE: Morphogenic proteins

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harland; Richard	Berkeley	CA		
Hsu; David	Berkeley	CA		

US-CL-CURRENT: 424/198.1; 514/12, 514/21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Signatures	Annotations	Claims	KWIC	Draw Desc	Image
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▮ 38. Document ID: US 6428977 B1

L5: Entry 38 of 70

File: USPT

Aug 6, 2002

US-PAT-NO: 6428977
DOCUMENT-IDENTIFIER: US 6428977 B1
**** See image for Certificate of Correction ****

TITLE: Signalin family of TGF.beta. signal transduction proteins, and uses related thereto

DATE-ISSUED: August 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Graff; Jonathan M.	Newton	MA		
Woolf; Tod M.	Natick	MA		
Jin; Ping	Boston	MA		
Melton; Douglas A.	Lexington	MA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/458, 435/69.7, 530/350, 536/23.1, 536/23.4, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Signatures	Annotations	Claims	KWIC	Draw Desc	Image
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▮ 39. Document ID: US 6399350 B1

L5: Entry 39 of 70

File: USPT

Jun 4, 2002

US-PAT-NO: 6399350
DOCUMENT-IDENTIFIER: US 6399350 B1

TITLE: KUZ, a novel family of metalloproteases

DATE-ISSUED: June 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rubin; Gerald M.	Berkeley	CA		
Pan; Duoia	Berkeley	CA		
Rooke; Jenny	New Haven	CT		
Yavari; Reza	New Haven	CT		
Xu; Tian	New Haven	CT		

US-CL-CURRENT: [435/226](#); [435/212](#), [435/23](#), [530/300](#), [530/325](#), [530/328](#), [530/350](#), [530/387.9](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	References	Claims	KMIC	Draw Desc	Image
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40. Document ID: US 6346605 B1

L5: Entry 40 of 70

File: USPT

Feb 12, 2002

US-PAT-NO: 6346605

DOCUMENT-IDENTIFIER: US 6346605 B1

TITLE: Signal transducer for the TNF receptor super family, and uses thereof

DATE-ISSUED: February 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Soo Young	New York	NY		
Choi; Yongwon	New York	NY		

US-CL-CURRENT: [530/350](#); [530/351](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	References	Claims	KMIC	Draw Desc	Image
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41. Document ID: US 6326481 B1

L5: Entry 41 of 70

File: USPT

Dec 4, 2001

US-PAT-NO: 6326481

DOCUMENT-IDENTIFIER: US 6326481 B1

TITLE: Molecules of the AIP-related protein family and uses thereof

DATE-ISSUED: December 4, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yowe; David	North Quincy	MA		

US-CL-CURRENT: [536/23.5](#); [435/320.1](#), [530/350](#), [536/1.11](#), [536/18.7](#), [536/22.1](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	47500000	50000000	Claims	KWIC	Draw Desc	Image
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42. Document ID: US 6319704 B1

L5: Entry 42 of 70

File: USPT

Nov 20, 2001

US-PAT-NO: 6319704

DOCUMENT-IDENTIFIER: US 6319704 B1

TITLE: KUZ, a novel family of metalloproteases

DATE-ISSUED: November 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rubin; Gerald M.	Berkeley	CA		
Pan; Duoia	Berkeley	CA		
Rooke; Jenny	New Haven	CT		
Yavari; Reza	New Haven	CT		
Xu; Tian	New Haven	CT		

US-CL-CURRENT: 435/252.3; 435/212, 435/226, 435/320.1, 435/325, 435/348, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	47500000	50000000	Claims	KWIC	Draw Desc	Image
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43. Document ID: US 6277593 B1

L5: Entry 43 of 70

File: USPT

Aug 21, 2001

US-PAT-NO: 6277593

DOCUMENT-IDENTIFIER: US 6277593 B1

TITLE: Dorsal tissue affecting factor and compositions

DATE-ISSUED: August 21, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Valenzuela; David M.	Franklin Square	NY		
Ip; Nancy Y.	Stamford	CT		
Cudny; Henryk D.	Concord	CA		
Yancopoulos; George D.	Yorktown Heights	NY		
Harland; Richard M.	Moraga	CA		
Smith; William C.	Santa Barbara	CA		
Lamb; Teresa	New York	NY		
Knecht; Anne	Berkeley	CA		

US-CL-CURRENT: 435/69.1; 435/69.4, 530/350, 530/399, 536/23.5, 536/23.51

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	References	Claims	KWIC	Draw Desc	Image
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□ 44. Document ID: US 6262025 B1

L5: Entry 44 of 70

File: USPT

Jul 17, 2001

US-PAT-NO: 6262025

DOCUMENT-IDENTIFIER: US 6262025 B1

TITLE: Nucleotide and protein sequences of vertebrate delta genes and methods based thereon

DATE-ISSUED: July 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ish-Horowicz; David	Oxford			GB
Henrique; Domingos Manuel Pinto	Queijas			PT
Lewis; Julian Hart	Oxford			GB
Artavanis-Tsakonas; Spyridon	Hamden	CT		
Gray; Grace E.	New Haven	CT		

US-CL-CURRENT: 514/12; 530/300, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	References	Claims	KWIC	Draw Desc	Image
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□ 45. Document ID: US 6197947 B1

L5: Entry 45 of 70

File: USPT

Mar 6, 2001

US-PAT-NO: 6197947

DOCUMENT-IDENTIFIER: US 6197947 B1

TITLE: Translation initiation factor 4AIII and methods of use thereof

DATE-ISSUED: March 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hemmati-Brivanlou; Ali	New York	NY		
Weinstein; Daniel C.	New York	NY		

US-CL-CURRENT: 536/23.5; 435/325, 435/70.1, 435/71.2, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	References	Claims	KWIC	Draw Desc	Image
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□ 46. Document ID: US 6190876 B1

L5: Entry 46 of 70

File: USPT

Feb 20, 2001

US-PAT-NO: 6190876

DOCUMENT-IDENTIFIER: US 6190876 B1

TITLE: KUZ, a novel family of metalloproteases

DATE-ISSUED: February 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rubin; Gerald M.	Berkeley	CA		
Pan; Duoia	Berkeley	CA		
Rooke; Jenny	New Haven	CT		
Yavari; Reza	New Haven	CT		
Xu; Tian	New Haven	CT		

US-CL-CURRENT: [435/23](#); [435/212](#), [435/226](#), [435/24](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Sequence	Claims	KMIC	Draw Desc	Image
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□ 47. Document ID: US 6184027 B1

L5: Entry 47 of 70

File: USPT

Feb 6, 2001

US-PAT-NO: 6184027

DOCUMENT-IDENTIFIER: US 6184027 B1

TITLE: Isolation and purification of eubacteria and fungus with catalytically inactive murein binding enzymes

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Laine; Roger A.	Baton Rouge	LA		
Lo; Wai Chun.Jennifer	Baton Rouge	LA		

US-CL-CURRENT: [435/261](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Sequence	Claims	KMIC	Draw Desc	Image
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□ 48. Document ID: US 6090922 A

L5: Entry 48 of 70

File: USPT

Jul 18, 2000

US-PAT-NO: 6090922

DOCUMENT-IDENTIFIER: US 6090922 A

TITLE: Antibodies to human notch proteins and fragments

DATE-ISSUED: July 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Artavanis-Tsakonas; Spyridon	Hamden	CT		
Fehon; Richard Grant	Hamden	CT		
Rebay; Ilaria	New Haven	CT		

US-CL-CURRENT: 530/388.22; 530/300, 530/350, 530/387.1, 530/389.1, 536/23.1, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Figures	Abstracts	Claims	KMC	Draw Desc	Image
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49. Document ID: US 6083904 A

L5: Entry 49 of 70

File: USPT

Jul 4, 2000

US-PAT-NO: 6083904

DOCUMENT-IDENTIFIER: US 6083904 A

TITLE: Therapeutic and diagnostic methods and compositions based on notch proteins and nucleic acids

DATE-ISSUED: July 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Artavanis-Tsakonas; Spyridon	Hamden	CT		

US-CL-CURRENT: 514/2; 424/130.1, 424/143.1, 435/7.23, 514/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Figures	Abstracts	Claims	KMC	Draw Desc	Image
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50. Document ID: US 6075007 A

L5: Entry 50 of 70

File: USPT

Jun 13, 2000

US-PAT-NO: 6075007

DOCUMENT-IDENTIFIER: US 6075007 A

TITLE: Modified noggin polypeptide and compositions

DATE-ISSUED: June 13, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Economides; Aris	New York	NY		
Stahl; Neil E.	Carmel	NY		
Harland; Richard M.	Moraga	CA		

US-CL-CURRENT: 514/12; 530/397, 530/399

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Web Links	Claims	KMIC	Draw Desc	Image
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51. Document ID: US 6031076 A

L5: Entry 51 of 70

File: USPT

Feb 29, 2000

US-PAT-NO: 6031076

DOCUMENT-IDENTIFIER: US 6031076 A

** See image for Certificate of Correction **

TITLE: Conservin compositions

DATE-ISSUED: February 29, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Falb; Dean A.	Wellesley	MA		
Gimeno; Carlos J.	Boston	MA		

US-CL-CURRENT: 530/350, 530/402, 536/23.1, 536/23.4, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Web Links	Claims	KMIC	Draw Desc	Image
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52. Document ID: US 6004924 A

L5: Entry 52 of 70

File: USPT

Dec 21, 1999

US-PAT-NO: 6004924

DOCUMENT-IDENTIFIER: US 6004924 A

TITLE: Protein sequences of serrate gene products

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ish-Horowicz; David	Oxford			GB
Henrique; Domingos Manuel Pinto	Oxford			GB
Lewis; Julian Hart	Oxford			GB
Myat; Anna Mary	Oxford			GB
Fleming; Robert J.	Rochester	NY		
Artavanis-Tsakonas; Spyridon	Hamden	CT		
Mann; Robert S.	Hamden	CT		
Gray; Grace E.	New Haven	CT		

US-CL-CURRENT: 514/2, 514/13, 514/15, 530/300, 530/326, 530/328, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Web Links	Claims	KMIC	Draw Desc	Image
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☐ 53. Document ID: US 5935852 A

L5: Entry 53 of 70

File: USPT

Aug 10, 1999

US-PAT-NO: 5935852

DOCUMENT-IDENTIFIER: US 5935852 A

TITLE: DNA molecules encoding mammalian cerberus-like proteins

DATE-ISSUED: August 10, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Follettie; Maximillian	Belmont	MA		
DeRobertis; Edward M.	Pacific Palisades	CA		

US-CL-CURRENT: [435/325](#); [435/252.3](#), [435/252.33](#), [435/254.11](#), [435/320.1](#), [435/357](#), [435/358](#),
[435/366](#), [536/23.1](#), [536/23.5](#), [536/24.31](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	USPTO	EPAB	Claims	KMOC	Draw Desc	Image
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☐ 54. Document ID: US 5935792 A

L5: Entry 54 of 70

File: USPT

Aug 10, 1999

US-PAT-NO: 5935792

DOCUMENT-IDENTIFIER: US 5935792 A

TITLE: KUZ, a novel family of metalloproteases

DATE-ISSUED: August 10, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rubin; Gerald M.	Berkeley	CA		
Pan; Duoia	Berkeley	CA		
Rooke; Jenny	New Haven	CT		
Yavari; Reza	New Haven	CT		
Xu; Tian	New Haven	CT		

US-CL-CURRENT: [435/6](#); [435/212](#), [435/226](#), [435/23](#), [435/252.3](#), [435/320.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	USPTO	EPAB	Claims	KMOC	Draw Desc	Image
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☐ 55. Document ID: US 5869282 A

L5: Entry 55 of 70

File: USPT

Feb 9, 1999

US-PAT-NO: 5869282

DOCUMENT-IDENTIFIER: US 5869282 A

**** See image for Certificate of Correction ****

TITLE: Nucleotide and protein sequences of the serrate gene and methods based thereon

DATE-ISSUED: February 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ish-Horowicz; David	Oxford			GB2
Henrique; Domingos Manuel Pinto	Oxford			GB2
Lewis; Julian Hart	Oxford			GB2
Myat; Anna Mary	Oxford			GB2
Fleming; Robert J.	Rochester	NY		
Artavanis-Tsakonas; Spyridon	Hamden	CT		
Mann; Robert S.	Hamden	CT		
Gray; Grace E.	New Haven	CT		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 530/300, 530/350, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Chemical	Claims	RMIC	Draw Desc	Image
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56. Document ID: US 5866098 A

L5: Entry 56 of 70

File: USPT

Feb 2, 1999

US-PAT-NO: 5866098

DOCUMENT-IDENTIFIER: US 5866098 A

TITLE: Assay for identifying extracellular signaling proteins

DATE-ISSUED: February 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lustig; Kevin D.	Cambridge	MA		
Kirschner; Marc W.	Newton	MA		

US-CL-CURRENT: 424/9.2; 424/9.1, 424/93.1, 424/93.2, 435/320.1, 435/325, 435/4, 435/455, 435/6, 435/69.1, 435/7.21, 435/7.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Chemical	Claims	RMIC	Draw Desc	Image
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57. Document ID: US 5856441 A

L5: Entry 57 of 70

File: USPT

Jan 5, 1999

US-PAT-NO: 5856441

DOCUMENT-IDENTIFIER: US 5856441 A

TITLE: Serrate fragments and derivatives

DATE-ISSUED: January 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Artavanis-Tsakonas; Spyridon	Hamden	CT		
Fehon; Richard Grant	Hamden	CT		
Rebay; Ilaria	New Haven	CT		

US-CL-CURRENT: 530/350; 530/300, 530/402

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Sequence	Claims	KWIC	Draw Desc	Image
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58. Document ID: US 5849869 A

L5: Entry 58 of 70

File: USPT

Dec 15, 1998

US-PAT-NO: 5849869

DOCUMENT-IDENTIFIER: US 5849869 A

**** See image for Certificate of Correction ****

TITLE: Delta fragments and derivatives and methods based thereon

DATE-ISSUED: December 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Artavanis-Tsakonas; Spyridon	Hamden	CT		
Muskavitch; Marc Alan-Telander	Bloomington	IN		
Fehon; Richard Grant	Hamden	CT		
Shephard; Scott Brockwell	Chestnut Hill	MA		

US-CL-CURRENT: 530/350; 530/300, 530/402, 530/839, 930/10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Sequence	Claims	KWIC	Draw Desc	Image
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59. Document ID: US 5843775 A

L5: Entry 59 of 70

File: USPT

Dec 1, 1998

US-PAT-NO: 5843775

DOCUMENT-IDENTIFIER: US 5843775 A

TITLE: Human dorsal tissue affecting factor (noggin) and nucleic acids encoding same

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Valenzuela; David M.	Franklin Square	NY
Ip; Nancy Y.	Stamford	CT
Cudny; Henryk D.	Concord	CA
Yancopoulos; George D.	Yorktown Heights	NY
Harland; Richard M.	Moraga	CA
Smith; William C.	Santa Barbara	CA
Lamb; Teresa	New York	NY
Knecht; Anne	Berkeley	CA

US-CL-CURRENT: [435/325](#); [435/252.3](#), [435/254.11](#), [435/320.1](#), [435/348](#), [435/69.1](#), [514/12](#), [514/2](#), [514/8](#), [530/350](#), [536/23.1](#), [536/23.5](#), [536/24.1](#), [536/24.31](#), [536/24.33](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Sequence	Claims	RMC	Draw Desc	Image
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60. Document ID: US 5833995 A

L5: Entry 60 of 70

File: USPT

Nov 10, 1998

US-PAT-NO: 5833995

DOCUMENT-IDENTIFIER: US 5833995 A

TITLE: Use of bluetongue virus proteins as vaccine components

DATE-ISSUED: November 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Roy; Polly	Oxford			GB2
French; Timothy J.	Oxford			GB2

US-CL-CURRENT: [424/215.1](#); [435/320.1](#), [514/44](#), [536/23.72](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Sequence	Claims	RMC	Draw Desc	Image
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61. Document ID: US 5821124 A

L5: Entry 61 of 70

File: USPT

Oct 13, 1998

US-PAT-NO: 5821124

DOCUMENT-IDENTIFIER: US 5821124 A

TITLE: Hybridoma cell lines and antibodies that bind noggin

DATE-ISSUED: October 13, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Valenzuela; David M.	Franklin Square	NY		
Yancopoulos; George D.	Yorktown Heights	NY		

Harland; Richard M. Moraga CA
Smith; William C. Santa Barbara CA

US-CL-CURRENT: 435/331; 530/387.9, 530/388.24, 530/388.85

Full	Title	Citation	Front	Review	Classification	Date	Reference	Drawings	References	Claims	KWIC	Draw Desc	Image
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62. Document ID: US 5807708 A

L5: Entry 62 of 70

File: USPT

Sep 15, 1998

US-PAT-NO: 5807708

DOCUMENT-IDENTIFIER: US 5807708 A

TITLE: Conservin nucleic acid molecules and compositions

DATE-ISSUED: September 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Falb; Dean A.	Wellesley	MA		
Gimeno; Carlos J.	Boston	MA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/254.11, 435/320.1, 435/325, 536/23.1, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Drawings	References	Claims	KWIC	Draw Desc	Image
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63. Document ID: US 5789543 A

L5: Entry 63 of 70

File: USPT

Aug 4, 1998

US-PAT-NO: 5789543

DOCUMENT-IDENTIFIER: US 5789543 A

**** See image for Certificate of Correction ****

TITLE: Vertebrate embryonic pattern-inducing proteins and uses related thereto

DATE-ISSUED: August 4, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ingham; Philip W.	Summertown			GB2
McMahon; Andrew P.	Lexington	MA		
Tabin; Clifford J.	Cambridge	MA		

US-CL-CURRENT: 530/350; 424/185.1, 435/69.1, 530/300

Full	Title	Citation	Front	Review	Classification	Date	Reference	Drawings	References	Claims	KWIC	Draw Desc	Image
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64. Document ID: US 5789195 A

L5: Entry 64 of 70

File: USPT

Aug 4, 1998

US-PAT-NO: 5789195

DOCUMENT-IDENTIFIER: US 5789195 A

**** See image for Certificate of Correction ****

TITLE: Human notch and delta, binding domains in toporythmic proteins, and methods based thereon

DATE-ISSUED: August 4, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Artavanis-Tsakonas; Spyridon	Hamden	CT		
Muskavitch; Marc Alan Telander	Bloomington	IN		
Fehon; Richard Grant	Hamden	CT		
Rebay; Ilaria	New Haven	CT		
Blaumueller; Christine Marie	New Haven	CT		
Shepard; Scott Brockwell	Bloomington	IN		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/7.1, 530/300, 530/350, 536/23.1, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Draw Desc	Image
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65. Document ID: US 5786158 A

L5: Entry 65 of 70

File: USPT

Jul 28, 1998

US-PAT-NO: 5786158

DOCUMENT-IDENTIFIER: US 5786158 A

TITLE: Therapeutic and diagnostic methods and compositions based on notch proteins and nucleic acids

DATE-ISSUED: July 28, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Artavanis-Tsakonas; Spyridon	Hamden	CT		
Fehon; Richard Grant	Durham	NC		
Zagouras; Panayiotis	New Haven	CT		
Blaumueller; Christine Marie	New Haven	CT		

US-CL-CURRENT: 435/7.23; 435/7.1, 435/7.92, 436/63, 436/64, 436/811, 436/813, 436/815

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Draw Desc	Image
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☐ 66. Document ID: US 5693779 A

L5: Entry 66 of 70

File: USPT

Dec 2, 1997

US-PAT-NO: 5693779

DOCUMENT-IDENTIFIER: US 5693779 A

TITLE: Production and use of anti-dorsalizing morphogenetic protein

DATE-ISSUED: December 2, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moos, Jr.; Malcolm	Bethesda	MD		
Krinks; Marie	Rockville	MD		
Wang; Shouwen	Rockville	MD		

US-CL-CURRENT: 536/23.5; 530/399, 930/120

Full	Title	Citation	Front	Review	Classification	Date	Reference	Draw Desc	Abstract	Claims	KWIC	Draw Desc	Image
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☐ 67. Document ID: US 5679783 A

L5: Entry 67 of 70

File: USPT

Oct 21, 1997

US-PAT-NO: 5679783

DOCUMENT-IDENTIFIER: US 5679783 A

TITLE: DNA encoding a tissue differentiation affecting factor

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
De Robertis; Edward M.	Pacific Palisades	CA		
Sasai; Yoshiki	Los Angeles	CA		

US-CL-CURRENT: 536/23.5; 435/252.3, 435/320.1, 435/69.1, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Draw Desc	Abstract	Claims	KWIC	Draw Desc	Image
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☐ 68. Document ID: US 5648464 A

L5: Entry 68 of 70

File: USPT

Jul 15, 1997

US-PAT-NO: 5648464

DOCUMENT-IDENTIFIER: US 5648464 A

TITLE: Human Notch and Delta binding domains in toporythmic proteins, and methods based thereon

DATE-ISSUED: July 15, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Artavanis-Tsakonas; Spyridon	Hamden	CT		
Fehon; Richard Grant	New Haven	CT		
Rebay; Ilaria	New Haven	CT		
Blaumueller; Christine Marie	New Haven	CT		

US-CL-CURRENT: 530/350; 530/300, 530/402, 530/839, 930/10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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69. Document ID: US 5591827 A

L5: Entry 69 of 70

File: USPT

Jan 7, 1997

US-PAT-NO: 5591827

DOCUMENT-IDENTIFIER: US 5591827 A

TITLE: Interleukin-6 receptor antagonists

DATE-ISSUED: January 7, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brakenhoff; Just P. J.	Amsterdam			NL
Aarden; Lucien A.	Broek in Waterland			NL

US-CL-CURRENT: 530/351; 424/85.2, 435/69.52, 930/141

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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70. Document ID: US 5585087 A

L5: Entry 70 of 70

File: USPT

Dec 17, 1996

US-PAT-NO: 5585087

DOCUMENT-IDENTIFIER: US 5585087 A

TITLE: Assay for identifying extracellular signaling proteins

DATE-ISSUED: December 17, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lustig; Kevin D.	Cambridge	MA		
Kirschner; Marc W.	Newton	MA		

US-CL-CURRENT: 424/9.2; 424/9.1, 424/93.1, 424/93.2, 435/320.1, 435/375, 435/4, 435/6,

[435/69.1](#), [435/7.21](#), [435/7.4](#), [435/91.41](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Background	App. Elements	Claims	KMIC	Draw Desc	Image
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NEURALIZING	42
NEURALIZINQ	1
NEURALIZTION	2
(NEURALIZ\$ AND EXPRESS\$ SAME VECTOR?).PGPB,USPT,EPAB,DWPI,TDBD.	70

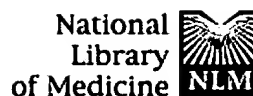
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1: [Amar E, Frank D.](#)

[Related Articles, Links](#)



Xenopus Meis3 protein forms a hindbrain-inducing center by activating FGF/MAP kinase and PCP pathways.

Development. 2004 Jan; 131(1): 153-63. Epub 2003 Dec 03.

PMID: 14660437 [PubMed - in process]

2: [Le Borgne R, Schweisguth F.](#)

[Related Articles, Links](#)



Unequal segregation of Neuralized biases Notch activation during asymmetric cell division.

Dev Cell. 2003 Jul; 5(1): 139-48.

PMID: 12852858 [PubMed - indexed for MEDLINE]

3: [Morel V, Le Borgne R, Schweisguth F.](#)

[Related Articles, Links](#)



Snail is required for Delta endocytosis and Notch-dependent activation of single-minded expression.

Dev Genes Evol. 2003 Mar; 213(2): 65-72. Epub 2003 Feb 05.

PMID: 12632175 [PubMed - indexed for MEDLINE]

4: [Munoz-Sanjuan I, Bell E, Altmann CR, Vonica A, Brivanlou AH.](#)

[Related Articles, Links](#)



Gene profiling during neural induction in *Xenopus laevis*: regulation of BMP signaling by post-transcriptional mechanisms and TAB3, a novel TAK1-binding protein.

Development. 2002 Dec; 129(23): 5529-40.

PMID: 12403722 [PubMed - indexed for MEDLINE]

5: [Lupo G, Harris WA, Barsacchi G, Vignali R.](#)

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Induction and patterning of the telencephalon in *Xenopus laevis*.

Development. 2002 Dec; 129(23): 5421-36.

PMID: 12403713 [PubMed - indexed for MEDLINE]

6: [Timmusk T, Palm K, Belluardo N, Mudo G, Neuman T.](#)

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Dendritic localization of mammalian neuralized mRNA encoding a protein with transcription repression activities.

Mol Cell Neurosci. 2002 Aug; 20(4): 649-68.

PMID: 12213446 [PubMed - indexed for MEDLINE]

7: [Smith JB, Nguyen TT, Hughes HJ, Herschman HR, Widney DP, Bui KC, Rovai LE.](#) [Related Articles, Links](#)



Glucocorticoid-attenuated response genes induced in the lung during endotoxemia.











Am J Physiol Lung Cell Mol Physiol. 2002 Sep; 283(3): L636-47.

PMID: 12169584 [PubMed - indexed for MEDLINE]

8: [Cornu TI, de la Torre JC.](#)

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Characterization of the arenavirus RING finger Z protein regions required for Z-mediated

-  inhibition of viral RNA synthesis.
J Virol. 2002 Jul; 76(13): 6678-88.
PMID: 12050381 [PubMed - indexed for MEDLINE]
-  **9:** [Pavlopoulos E, Kokkinaki M, Koutelou E, Mitsiadis TA, Prinios P, Delidakis C, Kilpatrick MW, Tsipouras P, Moschonas NK.](#) [Related Articles, Links](#)
Cloning, chromosomal organization and expression analysis of Neurl, the mouse homolog of *Drosophila melanogaster* neuralized gene.
Biochim Biophys Acta. 2002 Apr 12; 1574(3): 375-82.
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-  **10:** [Luo T, Matsuo-Takasaki M, Thomas ML, Weeks DL, Sargent TD.](#) [Related Articles, Links](#)
Transcription factor AP-2 is an essential and direct regulator of epidermal development in *Xenopus*.
Dev Biol. 2002 May 1; 245(1): 136-44.
PMID: 11969261 [PubMed - indexed for MEDLINE]
-  **11:** [Justice NJ, Jan YN.](#) [Related Articles, Links](#)
Variations on the Notch pathway in neural development.
Curr Opin Neurobiol. 2002 Feb; 12(1): 64-70. Review.
PMID: 11861166 [PubMed - indexed for MEDLINE]
-  **12:** [Lai EC.](#) [Related Articles, Links](#)
Protein degradation: four E3s for the notch pathway.
Curr Biol. 2002 Jan 22; 12(2): R74-8. Review.
PMID: 11818085 [PubMed - indexed for MEDLINE]
-  **13:** [Moreno TA, Bronner-Fraser M.](#) [Related Articles, Links](#)
The secreted glycoprotein Noelin-1 promotes neurogenesis in *Xenopus*.
Dev Biol. 2001 Dec 15; 240(2): 340-60.
PMID: 11784068 [PubMed - indexed for MEDLINE]
-  **14:** [Pavlopoulos E, Pitsouli C, Klueg KM, Muskavitch MA, Moschonas NK, Delidakis C.](#) [Related Articles, Links](#)
neuralized Encodes a peripheral membrane protein involved in delta signaling and endocytosis.
Dev Cell. 2001 Dec; 1(6): 807-16.
PMID: 11740942 [PubMed - indexed for MEDLINE]
-  **15:** [Deblandre GA, Lai EC, Kintner C.](#) [Related Articles, Links](#)
Xenopus neuralized is a ubiquitin ligase that interacts with XDeltal1 and regulates Notch signaling.
Dev Cell. 2001 Dec; 1(6): 795-806.
PMID: 11740941 [PubMed - indexed for MEDLINE]
-  **16:** [Lai EC, Deblandre GA, Kintner C, Rubin GM.](#) [Related Articles, Links](#)
Drosophila neuralized is a ubiquitin ligase that promotes the internalization and degradation of delta.
Dev Cell. 2001 Dec; 1(6): 783-94.
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Dev Cell. 2001 Dec; 1(6): 725-6.
PMID: 11740931 [PubMed - indexed for MEDLINE]

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Neuralized functions as an E3 ubiquitin ligase during *Drosophila* development.

Curr Biol. 2001 Oct 30; 11(21): 1675-9.

PMID: 11696324 [PubMed - indexed for MEDLINE]

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[Related Articles](#), [Links](#)



Isolation of a murine homologue of the *Drosophila* neuralized gene, a gene required for axonemal integrity in spermatozoa and terminal maturation of the mammary gland.

Mol Cell Biol. 2001 Nov; 21(21): 7481-94.

PMID: 11585928 [PubMed - indexed for MEDLINE]

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[Related Articles](#), [Links](#)



XMeis3 protein activity is required for proper hindbrain patterning in *Xenopus laevis* embryos.

Development. 2001 Sep; 128(18): 3415-26.

PMID: 11566848 [PubMed - indexed for MEDLINE]

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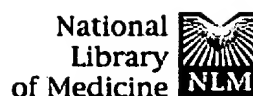
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[Related Articles, Links](#)



Ethanol hypersensitivity and olfactory discrimination defect in mice lacking a homolog of *Drosophila* neuralized.

Proc Natl Acad Sci U S A. 2001 Aug 14; 98(17): 9907-12. Epub 2001 Jul 31.

PMID: 11481456 [PubMed - indexed for MEDLINE]

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The BMP/CHORDIN antagonism controls sensory pigment cell specification and differentiation in the ascidian embryo.

Dev Biol. 2001 Aug 15; 236(2): 271-88.

PMID: 11476571 [PubMed - indexed for MEDLINE]

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Neuralized is essential for a subset of Notch pathway-dependent cell fate decisions during *Drosophila* eye development.

Proc Natl Acad Sci U S A. 2001 May 8; 98(10): 5637-42.

PMID: 11344304 [PubMed - indexed for MEDLINE]

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neuralized functions cell-autonomously to regulate a subset of notch-dependent processes during adult *Drosophila* development.

Dev Biol. 2001 Mar 1; 231(1): 217-33.

PMID: 11180964 [PubMed - indexed for MEDLINE]

25: [Yeh E, Zhou L, Rudzik N, Boulianne GL.](#)

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Neuralized functions cell autonomously to regulate *Drosophila* sense organ development.

EMBO J. 2000 Sep 1; 19(17): 4827-37.

PMID: 10970873 [PubMed - indexed for MEDLINE]

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Signaling specificities of fibroblast growth factor receptors in early *Xenopus* embryo.

J Cell Sci. 2000 Aug; 113 (Pt 16): 2865-75.

PMID: 10910771 [PubMed - indexed for MEDLINE]

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The control of *Xenopus* embryonic primary neurogenesis is mediated by retinoid signalling in the neurectoderm.

Mech Dev. 2000 Mar 1; 91(1-2): 69-80.

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Dev Biol. 1998 Feb 1; 194(1): 129-34.
PMID: 9473337 [PubMed - indexed for MEDLINE]
- ▢ 31: [Xu RH, Kim J, Taira M, Sredni D, Kung H.](#) [Related Articles, Links](#)
 Studies on the role of fibroblast growth factor signaling in neurogenesis using conjugated/aged animal caps and dorsal ectoderm-grafted embryos.
J Neurosci. 1997 Sep 15; 17(18): 6892-8.
PMID: 9278524 [PubMed - indexed for MEDLINE]
- ▢ 32: [Knecht AK, Harland RM.](#) [Related Articles, Links](#)
 Mechanisms of dorsal-ventral patterning in noggin-induced neural tissue.
Development. 1997 Jun; 124(12): 2477-88.
PMID: 9199373 [PubMed - indexed for MEDLINE]
- ▢ 33: [Bang AG, Papalopulu N, Kintner C, Goulding MD.](#) [Related Articles, Links](#)
 Expression of Pax-3 is initiated in the early neural plate by posteriorizing signals produced by the organizer and by posterior non-axial mesoderm.
Development. 1997 May; 124(10): 2075-85.
PMID: 9169853 [PubMed - indexed for MEDLINE]
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 Cell fates in the adult abdomen of *Drosophila* are determined by wingless during pupal development.
Dev Biol. 1996 Apr 10; 175(1): 24-36.
PMID: 8608866 [PubMed - indexed for MEDLINE]
- ▢ 35: [Bang AG, Bailey AM, Posakony JW.](#) [Related Articles, Links](#)
 Hairless promotes stable commitment to the sensory organ precursor cell fate by negatively regulating the activity of the Notch signaling pathway.
Dev Biol. 1995 Dec; 172(2): 479-94.
PMID: 8612965 [PubMed - indexed for MEDLINE]
- ▢ 36: [Martin-Bermudo MD, Carmena A, Jimenez F.](#) [Related Articles, Links](#)
 Neurogenic genes control gene expression at the transcriptional level in early neurogenesis and in mesectoderm specification.
Development. 1995 Jan; 121(1): 219-24.
PMID: 7867503 [PubMed - indexed for MEDLINE]
- ▢ 37: [Zhou L, Boulianne GL.](#) [Related Articles, Links](#)
 Comparison of the neuralized genes of *Drosophila virilis* and *D. melanogaster*.
Genome. 1994 Oct; 37(5): 840-7.

PMID: 8001814 [PubMed - indexed for MEDLINE]

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[Related Articles, Links](#)



Directed overexpression of suppressor 2 of zeste and Posterior Sex Combs results in bristle abnormalities in *Drosophila melanogaster*.

Dev Biol. 1994 Feb; 161(2): 379-92.

PMID: 8313990 [PubMed - indexed for MEDLINE]

☐ **39:** [Lieber T, Kidd S, Alcamo E, Corbin V, Young MW.](#)

[Related Articles, Links](#)



Antineurogenic phenotypes induced by truncated Notch proteins indicate a role in signal transduction and may point to a novel function for Notch in nuclei.

Genes Dev. 1993 Oct; 7(10): 1949-65.

PMID: 8406001 [PubMed - indexed for MEDLINE]

☐ **40:** [Boulianne GL, de la Concha A, Campos-Ortega JA, Jan LY, Jan YN.](#)

[Related Articles, Links](#)



The *Drosophila* neurogenic gene neuralized encodes a novel protein and is expressed in precursors of larval and adult neurons.

EMBO J. 1993 Jun; 12(6): 2586. No abstract available.

PMID: 8508781 [PubMed - indexed for MEDLINE]

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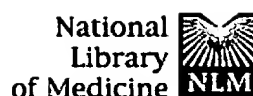
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41: [Price BD, Chang Z, Smith R, Bockheim S, Laughon A.](#)

[Related Articles, Links](#)



The *Drosophila* neuralized gene encodes a C3HC4 zinc finger.

EMBO J. 1993 Jun; 12(6): 2411-8.

PMID: 8508767 [PubMed - indexed for MEDLINE]

42: [Corbin V, Michelson AM, Abmayr SM, Neel V, Alcamo E, Maniatis T, Young MW.](#)

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A role for the *Drosophila* neurogenic genes in mesoderm differentiation.

Cell. 1991 Oct 18; 67(2): 311-23.

PMID: 1913825 [PubMed - indexed for MEDLINE]

43: [Boulianne GL, de la Concha A, Campos-Ortega JA, Jan LY, Jan YN.](#)

[Related Articles, Links](#)



The *Drosophila* neurogenic gene neuralized encodes a novel protein and is expressed in precursors of larval and adult neurons.

EMBO J. 1991 Oct; 10(10): 2975-83. Erratum in: EMBO J. 1993 Jun; 12(6):2586.

PMID: 1717258 [PubMed - indexed for MEDLINE]

44: [Servetnick M, Grainger RM.](#)

[Related Articles, Links](#)



Homeogenetic neural induction in *Xenopus*.

Dev Biol. 1991 Sep; 147(1): 73-82.

PMID: 1879617 [PubMed - indexed for MEDLINE]

45: [Pituello F, Homburger V, Saint-Jeannet JP, Audigier Y, Bockaert J, Duprat AM.](#)

[Related Articles, Links](#)



Expression of the guanine nucleotide-binding protein Go correlates with the state of neural competence in the amphibian embryo.

Dev Biol. 1991 Jun; 145(2): 311-22.

PMID: 1904035 [PubMed - indexed for MEDLINE]

46: [Portin P, Rantanen M.](#)

[Related Articles, Links](#)



Interaction of master mind, big brain, neuralized and Notch genes of *Drosophila melanogaster* as expressed in adult morphology.

Hereditas. 1991; 114(2): 197-200. No abstract available.

PMID: 1917546 [PubMed - indexed for MEDLINE]

47: [Bates AW, Burgess AM, Field CM, Katchburian E.](#)

[Related Articles, Links](#)



Ultrastructural study of contacts between cells of the dorsal ectoderm and chordamesoderm during gastrulation in *Xenopus laevis*.

Acta Anat (Basel). 1988; 133(1): 5-9.

PMID: 2463727 [PubMed - indexed for MEDLINE]

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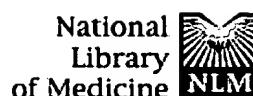
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1: Cancer Immunol Immunother. 1999 Feb; 47(6): 337-42.

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Vaccination with the extracellular domain of p185neu prevents mammary tumor development in neu transgenic mice.

Esserman LJ, Lopez T, Montes R, Bald LN, Fendly BM, Campbell MJ.

UCSF/Mount Zion Medical Center, Department of Surgery, San Francisco, CA 94120, USA.

The HER2/neu oncogene product, p185(HER2/neu), is overexpressed on the surface of many human breast cancers. Strains of transgenic mice have been developed that express the rat neu oncogene in mammary epithelial cells and develop spontaneous mammary tumors that overexpress p185neu. This model provides an ideal system for testing interventions to prevent tumor development. In this study, we immunized neu-transgenic mice with a vaccine consisting of the extracellular domain of p185neu (NeuECD). Immunized mice developed Neu-specific humoral immune responses, as measured by circulating anti-Neu antibodies in their sera, and cellular immune responses, as measured by lymphocyte proliferation to NeuECD in vitro. In addition, the subsequent development of mammary tumors was significantly lower in immunized mice than in controls and vaccine treatment was associated with a significant increase in median survival.

MeSH Terms:

- 3T3 Cells
- Animals
- Antibodies, Neoplasm/biosynthesis
- Antibodies, Neoplasm/blood
- Antibody Formation/immunology
- Cancer Vaccines/genetics
- Cancer Vaccines/immunology*
- Cell Division/immunology
- Extracellular Space/immunology
- Female
- Genes, erbB-2/immunology*
- Lymphocyte Activation/immunology
- Male
- Mammary Neoplasms, Experimental/genetics
- Mammary Neoplasms, Experimental/immunology
- Mammary Neoplasms, Experimental/prevention & control*
- Mice

- Mice, Transgenic
- Peptide Fragments/immunology*
- Protein Structure, Tertiary
- Rats
- Receptor, erbB-2/genetics
- Receptor, erbB-2/immunology*
- Support, Non-U.S. Gov't
- Support, U.S. Gov't, Non-P.H.S.

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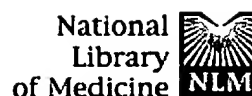
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- Cancer Vaccines
- Peptide Fragments
- Receptor, erbB-2

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1: Dev Biol. 2001 Mar 1; 231(1): 217-33.

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FULL-TEXT ARTICLE**neuralized functions cell-autonomously to regulate a subset of notch-dependent processes during adult Drosophila development.****Lai EC, Rubin GM.**

Department of Molecular and Cell Biology, Howard Hughes Medical Institute, University of California, 539 Life Sciences Addition, Berkeley, California 94720, USA.

neuralized (neu) represents one of the strong neurogenic mutants in Drosophila. Mutants of this class display, among other phenotypes, a strong overcommitment to neural fates at the expense of epidermal fates. We analyzed the role of neu during adult development by using mutant clonal analysis, misexpression of wild-type and truncated forms of Neu, and examination of genetic interactions with N-pathway mutations. We find that neu is required cell-autonomously for lateral inhibition during peripheral neurogenesis and for multiple asymmetric cell divisions in the sensory lineage. In contrast, neu is apparently dispensable for other N-mediated processes, including lateral inhibition during wing vein development and wing margin induction. Misexpression of wild-type Neu causes defects in both peripheral neurogenesis and wing vein development, while a truncated form lacking the RING finger is further capable of inhibiting formation of the wing margin. In addition, the phenotypes produced by misexpression of wild-type and truncated Neu proteins are sensitive to the dosage of several N-pathway components. Finally, using epitope-tagged Neu proteins, we localize Neu to the plasma membrane and reveal a novel morphology to the sensory organ precursor cells of wing imaginal discs. Collectively, these data indicate a key role for neu in the reception of the lateral inhibitory signal during peripheral neurogenesis.

PMID: 11180964 [PubMed - indexed for MEDLINE]

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Neuralized protein

gi|34223722|sp|P29503|NEUR_DROME[2969262]

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2: Q24746

Neuralized protein

gi|34222692|sp|Q24746|NEUR_DROVI[2969237]

BLink, Domains, Links

3: AAB60619

neuralized protein [Drosophila virilis]

gi|535314|gb|AAB60619.1|[1124433]

BLink, Domains, Links

4: CAC36018

dJ337O18.6 (novel protein similar to Drosophila Neuralized (Neu)) [Homo sapiens]

gi|13929456|emb|CAC36018.1|[659266]

BLink, Domains, Links

5: CAA43806

neuralized protein [Drosophila melanogaster]

gi|11025|emb|CAA43806.1|[317879]

BLink, Domains, Links

6: AAB27151

neuralized [Drosophila melanogaster]

gi|385746|gb|AAB27151.1||bbm|308657|bbs|133775[136352]

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☐ 1: P29503. Neuralized protei...[gi:34223722]

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LOCUS P29503 754 aa linear INV 15-SEP-2003

DEFINITION Neuralized protein.

ACCESSION P29503

VERSION P29503 GI:34223722

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class: standard.
extra accessions: Q26306, Q27273, Q8INP6, Q8INP7, Q960M1, created: Apr 1, 1993.

sequence updated: Sep 15, 2003.

annotation updated: Sep 15, 2003.

xrefs: gi: [11024](#), gi: [11025](#), gi: [385740](#), gi: [385741](#), gi: [157027](#),
gi: [157028](#), gi: [385745](#), gi: [385746](#), gi: [28381198](#), gi: [7299131](#), gi:
[23170762](#), gi: [23170760](#), gi: [23170761](#), gi: [15292284](#), gi: [15292285](#),
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xrefs (non-sequence databases): FlyBaseFBgn0002932, GO0005886,
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InterProIPR006573, InterProIPR001841, PfamPF00097, SMARTSM00588,
SMARTSM00184, PROSITEPS00518, PROSITEPS50089

KEYWORDS Neurogenesis; DNA-binding; Nuclear protein; Zinc-finger; Repeat;
Alternative splicing.

SOURCE Drosophila melanogaster (fruit fly)

ORGANISM Drosophila melanogaster

Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.

REFERENCE 1 (residues 1 to 754)

AUTHORS Boulianne, G.L., de la Concha, A., Campos-Ortega, J.A., Jan, L.Y. and Jan, Y.N.

TITLE The Drosophila neurogenic gene neuralized encodes a novel protein
and is expressed in precursors of larval and adult neurons

JOURNAL EMBO J. 10 (10), 2975-2983 (1991)

MEDLINE [92007742](#)

PUBMED [1717258](#)

REMARK SEQUENCE FROM N.A. (ISOFORM 1).

STRAIN=Oregon-R

REFERENCE 2 (residues 1 to 754)

AUTHORS Price, B.D., Chang, Z., Smith, R., Bockheim, S. and Laughon, A.

TITLE The Drosophila neuralized gene encodes a C3HC4 zinc finger

JOURNAL EMBO J. 12 (6), 2411-2418 (1993)

MEDLINE [93285111](#)

PUBMED [8508767](#)

REMARK SEQUENCE FROM N.A. (ISOFORM 1).

REFERENCE 3 (residues 1 to 754)

AUTHORS Boulianne, G.L., de la Concha, A., Campos-Ortega, J.A., Jan, L.Y. and Jan, Y.N.

TITLE The Drosophila neurogenic gene neuralized encodes a novel protein
and is expressed in precursors of larval and adult neurons

JOURNAL EMBO J. 12 (6), 2586 (1993)

MEDLINE [93285130](#)

PUBMED 8508781
 REMARK SEQUENCE FROM N.A. (ISOFORM 2).
 REFERENCE 4 (residues 1 to 754)
 AUTHORS Adams,M.D., Celniker,S.E., Holt,R.A., Evans,C.A., Gocayne,J.D.,
 Amanatides,P.G., Scherer,S.E., Li,P.W., Hoskins,R.A., Galle,R.F.,
 George,R.A., Lewis,S.E., Richards,S., Ashburner,M., Henderson,S.N.,
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 Baxendale,J., Bayraktaroglu,L., Beasley,E.M., Beeson,K.Y.,
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 Pablos,B., Delcher,A., Deng,Z., Mays,A.D., Dew,I., Dietz,S.M.,
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 Zhong,F.N., Zhong,W., Zhou,X., Zhu,S., Zhu,X., Smith,H.O.,
 Gibbs,R.A., Myers,E.W., Rubin,G.M. and Venter,J.C.
 TITLE The genome sequence of *Drosophila melanogaster*
 JOURNAL Science 287 (5461), 2185-2195 (2000)
 MEDLINE 20196006
 PUBMED 10731132
 REMARK SEQUENCE FROM N.A.
 STRAIN=Berkeley
 REFERENCE 5 (residues 1 to 754)
 AUTHORS Misra,S., Crosby,M.A., Mungall,C.J., Matthews,B.B., Campbell,K.S.,
 Hradecky,P., Huang,Y., Kaminker,J.S., Millburn,G.H., Prochnik,S.E.,
 Smith,C.D., Tupy,J.L., Whitfield,E.J., Bayraktaroglu,L.,
 Berman,B.P., Bettencourt,B.R., Celniker,S.E., de Grey,A.D.N.J.,
 Drysdale,R.A., Harris,N.L., Richter,J., Russo,S., Schroeder,A.J.,
 Shu,S.Q., Stapleton,M., Yamada,C., Ashburner,M., Gelbart,W.M.,
 Rubin,G.M. and Lewis,S.E.
 TITLE Annotation of the *Drosophila melanogaster* euchromatic genome: a
 systematic review
 JOURNAL Genome Biol. 3 (12), RESEARCH0083 (2002)
 MEDLINE 22426069
 PUBMED 12537572

REMARK REVISIONS:
REFERENCE 6 (residues 1 to 754)
AUTHORS Stapleton,M., Carlson,J.W., Brokstein,P., Yu,C., Champe,M.,
George,R.A., Guarin,H., Kronmiller,B., Pacleb,J.M., Park,S.,
Wan,K.H., Rubin,G.M. and Celniker,S.E.
TITLE A Drosophila full-length cDNA resource
JOURNAL Genome Biol. 3 (12), RESEARCH0080 (2002)
MEDLINE 22426066
PUBMED 12537569
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STRAIN=Berkeley
COMMENT On Aug 26, 2003 this sequence version replaced gi:266615.

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the EMBL outstation - the European Bioinformatics Institute.
The original entry is available from <http://www.expasy.ch/sprot>
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[FUNCTION] Involved in neurogenesis. Interacts with other
neurogenic proteins in the specification of the neuroblast versus
epidermoplast cell fate.
[SUBCELLULAR LOCATION] Nuclear (Potential).
[ALTERNATIVE PRODUCTS] Event=Alternative splicing; Named
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IsoId=P29503-2; Sequence=VSP_008046; Name=3; IsoId=P29503-3;
Sequence=VSP_008045; Name=4; IsoId=P29503-4; Sequence=VSP_008045,
VSP_008046.
[SIMILARITY] Contains 2 NEUZ domains.
[SIMILARITY] Contains 1 RING-type zinc finger.
[CAUTION] Ref.1 sequence differs from that shown due to frameshifts
in position 406; 518; 554 and 709.

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ORIGIN

```

1 mglstdipany mqqgshphltl hpqqqhhqng qhlqhlqqmq qlhnamppta qqaaqvlame
61 snellmstkd klsskkkmhl lkkikkrfgl vrrspsscpq pnnlpplqfh svhgdniris
121 rdgtlarrfe sfcraitfsa rpvrineric vkfaeisnw nggirfgfts ndpvtlegtl
181 pkyacpdltl rpgfwakalh eqycekdnil yyyvngagdv iyginneekg viltgidtrs
241 llwtvidiyg nctgieflds riymyqqqpa aipmatvpaq qqmpqpaan assalnshhp
301 hqqsrrslpg htaaiehdle rhvmpslqsl hlagnggsva sveqaaiahd langlpplry
361 nangrlipvp fhntkgrnvr lsqdrfvasr tesdfcqqyv ftarpirige klivqvlkte
421 qmyvgalalg ltscnpamlq pndlpndsdf lldrpeywv skdiaaapqr gdeiaffvap
481 ngevsisknn gpavvvhvd qslqlwafld vgstqslrm frqqpnmva ypsqpqvnvn
541 asssacnaa stsrmlpmte smssl nagat akllhpsql svaqststla saggvngsrn
601 ismpsnngdil qiqpnggggtv lvvnlp pass shdingqlaa rptatvtssg vlagacssgt
661 listtssqyi eqpianstnn aankwkdsls dqqstdssae cticyenpid svlymcghmc
721 mcydcaieqw rgvgggqcpl cravirdvir tytt

```

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Jan 20 2004 07:47:23